

International application No. PCT/AU03/00717

A.	CLASSIFICATION OF SUBJECT MAT	TER							
Int. Cl. 7:	C07D 235/26, 235/28, 307/83; A61K 31/4184, 31/585								
According to 1	international Patent Classification (IPC) or to	o both 1	national classification and IPC						
В.	FIELDS SEARCHED								
Minimum docu	mentation searched (classification system follower	ed by cla	ssification symbols)						
Documentation	searched other than minimum documentation to	the exte	nt that such documents are included in the fields search	hed					
WPIDS, CA,			data base and, where practicable, search terms used) earch ('MIF', 'macrophage', 'inhibit?', 'factor',	'?benzim?',					
C.	DOCUMENTS CONSIDERED TO BE RELE	VANT							
Category*	Category* Citation of document, with indication, where appropriate, of the relevant passages								
x	WO 01/77083 A1 (GLAXO GROUP I 18 October 2001 See page 24 Example 1, and page 6 co		•	31-34					
X	WO 01/92239 A1 (WARNER-LAMBERT COMPANY) 6 December 2001 X See examples 31-34								
A	WO 01/44223 A1 (ABBOTT LABOR	ATOR	CIES)						
21 June 2001 X See examples, claims				31-34					
X F	urther documents are listed in the contin	uation	of Box C X See patent family annu	ex					
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "B" earlier application or patent but published on or after the international filing date "X" later document published after the international filing date or priority and not in conflict with the application but cited to understand the providence or theory underlying the invention "X" document oparticular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot be the document is taken alone.									
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, "&" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combine with one or more other such documents, such combination being obvious a person skilled in the art									
"P" docume	on or other means nt published prior to the international filing later than the priority date claimed								
Date of the actu 3 July 2003	al completion of the international search	Date of mailing of the international search report 1 8 JUL 2003							
Name and mailing address of the ISA/AU			Authorized officer						
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No: (02) 6285 3929			DAVID GRIFFITHS Telephone No: (02) 6283 2628						



International application No.

PCT/AU03/00717

· DOCUMENTS CONSIDERED TO BE RELEVANT C (Continuation). Relevant to Citation of document, with indication, where appropriate, of the relevant passages Category* claim No. WO 99/36402 A1 (CIBA SPECIALITY CHEMICALS HOLDING INC.) 22 July 1999 See page 12, compound IV, page 13 compound IX, and fourth compound on page 13. 31-34, 36 . X WO 96/10026 A1 (JANSSEN PHARMACEUTICA N.V.) 4 April 1996 31-34 X See page 6, compound (I-d) EP 0462831 A2 (IMPERIAL CHEMICAL INDUSTRIES PLC) 27 December 1991 31-34 See page 12, line 38; page 13 lines 35 and 51 X FR 2688504 A1 (SYNTHELABO SOCIETE ANONYME) 17 September 1993 31-34 X See compounds of formula (I) and (IV) US 4400319 (STEFAN HARI ET AL.) 23 August 1983 31-34, 36 X See columns 6 and 7, Table 1 DD 292452 A5 (KARL MARX UNIVERSITAT) 1 August 1991 31-34 Х See compounds of formula (I) and examples US 4329477 (RUDIGER SCHUBART ET AL.) 11 May 1982 31-34 See whole document X US 3775333 (F. F. LOFFELMAN ET AL) 27 November 1973 31, 33, 34 X See Example 1 GB 876015 (CHEMISCHE WERKE ALBERT) 30 August 1961 31-34 X See first page, right-hand column, lines 69-74 US 2933503 (R. L. CLARK ET AL) 19 April 1960 31-34 Х See examples US 2843597 (R. L. CLARK ET AL) 15 July 1958 31-34 X See whole document STN File HCA, Abstract 115:256067, & E. KAWASHIMA ET AL. "2,5,6-Trichlorobenzimidazole. Synthesis of a Precursor for 2-Substituted 5,6-Dichlorobenzimidazoles" Nucleic Acid Chem. 1991, 4, 24-26 31-34 X Abstract and CAS Registration No. 2033-29-6



International application No.
PCT/AU03/00717

C (Continuati		PC1/AU03/00/17
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to
		claim No.
	STN File HCA, Abstract 52:77210 & R. L. CLARK ET AL. "Synthesis of Some Substituted Benzimidazolino	
	Journal of the American Chemical Society 1958, 80, 1657-1662	nes"
Х	Abstract	31-34
	STN File HCA, Abstract 52:72309	
	& L. S. EFROS ET AL. "Imidazole Derivatives. XVIII. Nitration of 5- Methylbenzimidazoles"	
	Zhurnal Obshchei Khimii 1958, 28, 62-69	
X	See abstract	31-34
•		
	•	
•		
	·	
		1



International application No.

PCT/AU03/00717

Box I	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This internation reasons:	nal search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos:
	because they relate to subject matter not required to be searched by this Authority, namely:
2. <u>X</u>	Claims Nos: 1-35 (In part) because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Claims 1-35 relate to such a broad number and variety of benzo-fused heterocyclic compounds that it was impossible to conduct a search over the entire breadth of the claims. The search has been limited to
	the benzimidazolin-2-ones disclosed in the examples.
3.	Claims Nos: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box II (Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Internation	nal Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Pr	otest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.



Information on patent family members

International application No. PCT/AU03/00717

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in Search Report			Pate	nt Family Member		
wo	200177083	AU	200156272	EP	1272473		
wo	200192239	AU	200159618	BR	200111301	CA	2409006
		EP	1286975	NO	20025762		
WO	200144223	AU	200122717 .	BR	200012502	CA	2393027
		EP	1250332	•			
wo	9936402	AU	26156/99	EP	1047672	US	6087480
wo	9610026	AU	36080/95	BR	9509035	CA	2200579
		CN	1160401	CZ	9700919	EP	784619
		FI	971273	HU	77311	IL	115412
		NO	971375	NZ	293604	PL	319998
	•	US	5872131	ZA	9508086		
EP	462831	JР	4243865	US	5179115	US	5364877
		US	5462953	US	5278177		
FR	2688504	NONE					
US	4400319	CA	1180325	EP	51560	JР	57094045
DD	292452	NONE					
US	4329477	DE	3008159	EP	35185	JР	56135478
US	3775333	AR	196761	ΑŬ	54284/73	BE	801679
	·	CA	1001804	DE	2332428	FR	2190911
		GB	1379530	IT	985625	JР	49052783
		NL	7306037	ZA	7302152	•	
GB	876015	NONE				<u>.</u> .	
US	2933503	NONE					
US	2843597	NONE					
							END OF ANNE